

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
 Shigeru MORIMOTO et al. : **Mail Stop: PCT**
 Serial No. NEW : Attorney Docket No. 2006_1486A
 Filed September 6, 2006 :

POLAR MODULATOR AND WIRELESS
 COMMUNICATION APPARATUS USING THE SAME
 [Corresponding to PCT/JP2006/300322
 Filed January 6, 2006]

RECEIVED
 SEP 16 2006
 PCT/PTO
 ATTORNEY NO. 2006_1486A

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of the references listed on attached form PTO-1449 and any additional information identified below in paragraph 3. A legible copy of each reference listed on the Form PTO-1449 is enclosed, except a copy is not provided for:

- ☒ each U.S. Patent and U.S. Patent application publication;
- ☐ each reference previously cited in the international application PCT/_____; and/or
- ☐ each reference previously cited in prior parent application Serial No. _____.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

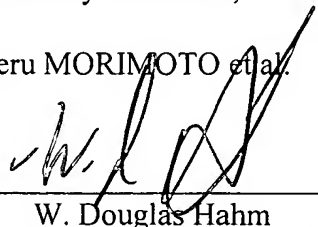
b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.
4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
 - b. ☒ a foreign patent office search report (in the English language) submitted herewith,
 - c. ☒ the concise explanation contained in the specification of the present application at pages 3, 5, 7, 8, and 9.
 - d. ☐ the concise explanation set forth in the attached English language abstract,
 - e. ☒ the concise explanation set forth below or on a separate sheet attached to the reference:
WO2004/019486 corresponds to US 2005/0242880A1.
5. ☒ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Shigeru MORIMOTO et al.

By



W. Douglas Hahm
Registration No. 44,142
Attorney for Applicants

WDH/ck
Washington, D.C. 20006-1021
Telephone (202) 721-8200
Facsimile (202) 721-8250
September 6, 2006

Sheet 1 of 1

INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: September 6, 2006

ATTY DOCKET NO.
2006_1486A

SERIAL NEW 10/591811

APPLICANT
Shigeru MORIMOTO et al.

FILING DATE
September 6, 2006

GROUP

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|----|--------------------|-------|-----------------|-------|----------|-------------------------------|
| | AA | 2004/0219891 A1 | 11/04 | Hadjichristos | | | |
| | AB | 2005/0242880 A1 | 11/05 | Domokos et al. | | | |
| | AC | 6,528,975 | 03/03 | Sander | | | |
| | AD | 6,242,975 | 06/01 | Eidson et al. | | | |
| | AE | 2005/0008093 A1 | 01/05 | Matsuura et al. | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES NO |
|--|----|--------------------|-------|---------|-------|----------|-----------------------|
| | AJ | 2004/019486 | 03/04 | WO | | | |
| | AK | | | | | | |
| | AL | | | | | | |
| | AM | | | | | | |
| | AN | | | | | | |

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|--|----|--|
| | AO | MANN S ET AL: "INCREASING THE TALK-TIME OF MOBILE RADIOS WITH EFFICIENT LINEAR TRANSMITTER ARCHITECTURES" ELECTRONICS AND COMMUNICATION ENGINEERING JOURNAL, INSTITUTION OF ELECTRICAL ENGINEERS, LONDON, GB, vol. 13, no. 2, April 2001, pages 65-76, XP001058796 |
| | AP | |
| | AQ | |

EXAMINER

DATE CONSIDERED